Processor Card 111a
Processor 112a
Cache 113a

· · ·

Processor Card 111n
Processor 112n
Cache 113n

100

Bus 115

System Planar 120
Data Switch 121
Memory Controller/ Cache 122

Memory Card 123
Local Memory 116
DIMM
DIMM

TO I/O DRAWERS

Bus Bridge 117
Bus Bridge 118

SCSI Host Adapter 130
Hard Disk 136

System Bus 119

PCI Bridge 125

Graphics Adapter 131

ISA Bridge 132

PCI Bus 128

NVRAM 140

System Firmware 141

Service Processor 144

Serial 1

PCI Bridge 126

Network Adapter 134

ISA Bus 129

NIO Controller 133

Serial 2

Slot 135a

·
·
·

PCI Bus 127

139 Mouse
138 Keyboard
137 Floppy

Slot 135n

NIO Planar 124
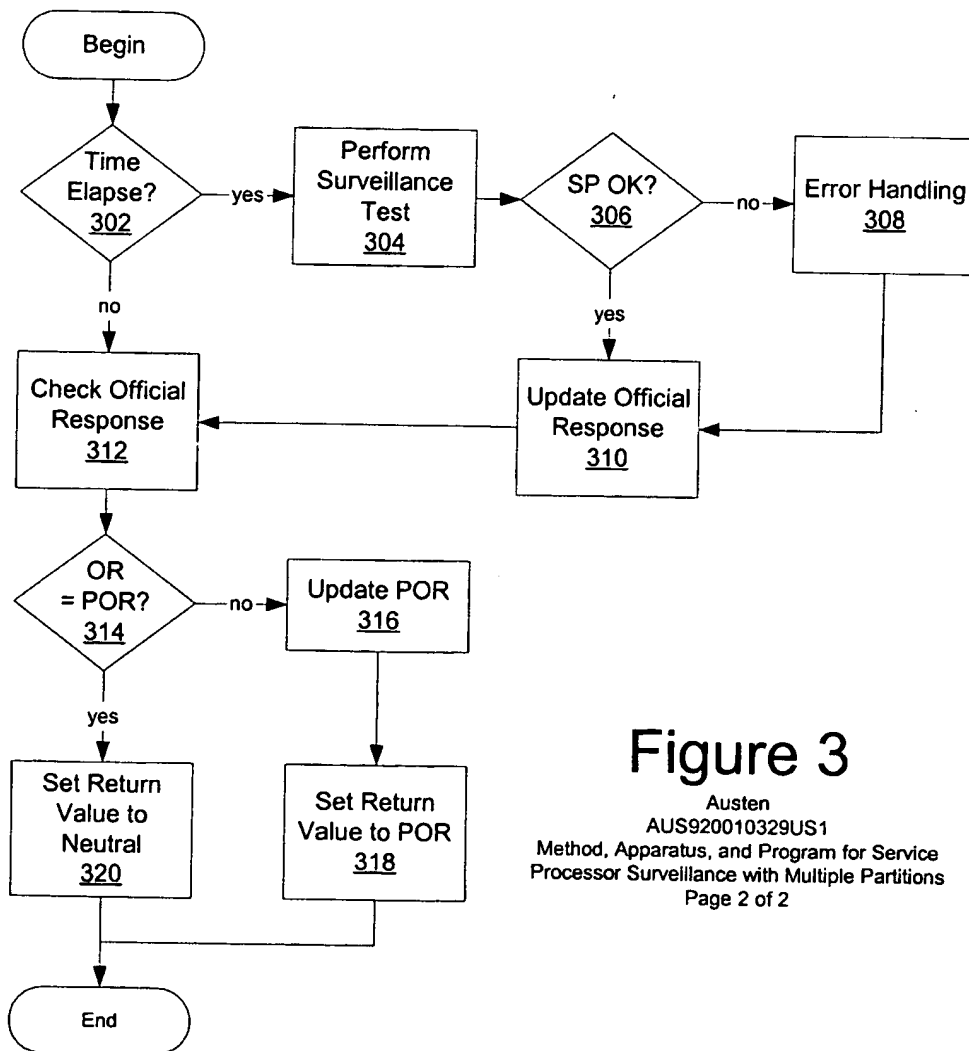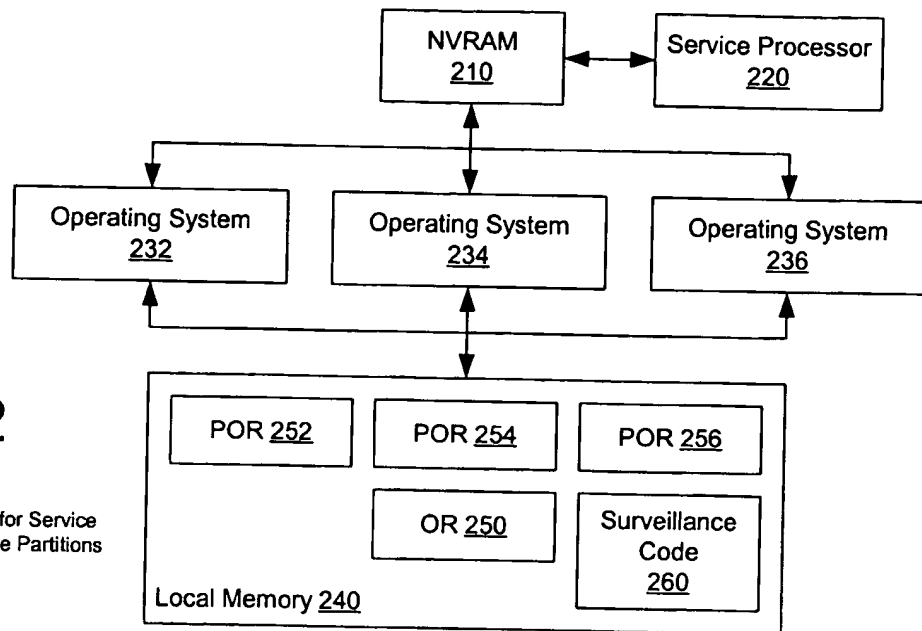
Figure 1

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Figure 2

```
                      NVRAM          Service Processor
                       210                 220

        Operating System    Operating System    Operating System
             232                 234                 236

              Local Memory 240
              ┌──────────────────────────────────────┐
              │  POR 252    POR 254    POR 256        │
              │                                        │
              │     OR 250      Surveillance          │
              │                 Code                   │
              │                 260                    │
              └──────────────────────────────────────┘
```

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Figure 3

```
                 Begin

                Time          Perform        SP OK?        Error Handling
               Elapse?  yes→ Surveillance  →  306   →no→      308
                302          Test                                │
                 │           304               │ yes            │
                 │ no                           ↓                │
                 ↓                                                │
          Check Official  ←──────────── Update Official  ←──────┘
          Response                       Response
           312                            310
                 │
                 ↓
                OR          Update POR
               = POR?  →no→   316
                314                │
                 │ yes             │
                 ↓                 ↓
          Set Return         Set Return
          Value to           Value to POR
          Neutral            318
           320                  │
                 │              │
                 ↓              │
                 End ←──────────┘
```

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